

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below.

I believe that I am the original, first and sole inventor of the innovative subject matter described and claimed in the U.S. patent application identified as follows:

Title: **Force-Balanced Roller-Cone Bits, Systems, Drilling Methods, and Design Methods;**

Inventors: Shilin Chen (full legal names listed below);

Attorney Docket No.: SC-98-25;

☒ (if checked) which is attached hereto.

This application claims priority from parent 60/098,466, filed 08/ 31/ 98 (MM/DD/YY).

I hereby state that I have reviewed and understand the contents of the above-identified U.S. patent application, INCLUDING THE CLAIMS.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulation, §1.56(a).

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention or discovery thereof.

I do not know and do not believe that the claimed invention was ever patented or described in any printed publication in any country before my invention or discovery thereof.

I do not know and do not believe that the claimed invention was ever patented or made the subject of an inventor's certificate issued prior to the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns.

I do not know and do not believe that the claimed invention was ever patented or described in any printed publication in any country more than one year prior to the filing date of this U.S. application.

I do not know and do not believe that the claimed invention was ever in public use or on sale in the United States of America more than one year prior to the filing date of this U.S. application.

I hereby appoint Robert Groover III, Reg.No.30,059, Betty G. Formby, 36,536, William R. Peoples, 25,906, Paul I.Herman, 37,349, William M. Imwalle, 35,904, William E. Shult, 29,438, Eugene R. Montalvo, 32,790, Craig W. Roddy, 36,256, and Robert A. Kent, 28,626 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, and also to file and prosecute any corresponding application in any foreign country.

I hereby direct that all correspondence and telephone calls be addressed to:
Robert Groover,
17000 Preston Rd. #230, Dallas TX 75248;
(972) 380-6333.

I hereby declare that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may also jeopardize the validity of the application or any patent issued thereon.

Date: 8-31-99 Signature: [Signature]

Citizenship: Chinese

ASSIGNMENT

As a below-named inventor of the U.S. patent application entitled **Force-Balanced Roller-Cone Bits, Systems, Drilling Methods, and Design Methods**, which names an inventorship of Shilin Chen , and which I executed on the date indicated below, I hereby sell, assign and transfer to **Halliburton Energy Services, Inc.**, 2601 Beltline Road, Carrollton, TX 75006, (hereinafter referred to as ASSIGNEE), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any division, continuation, continuation-in-part, renewal, substitute, extension, re—examination or reissue thereof or any legal equivalent thereof in any foreign country for the full term or terms of which the same may be granted, and specifically including the right to file foreign applications and claim priority therefor under the provisions of any convention or treaty;

and I also hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

and I further hereby covenant that I will, upon ASSIGNEE'S request, promptly provide ASSIGNEE with all pertinent facts and documents, relating to said application, to any invention disclosed therein, or to any of said Letters Patent or legal equivalents thereof in the United States or in foreign countries, as may be known and accessible to me, and that I will testify and give evidence as to the same in any litigation or interference which may arise, and that I will promptly execute and deliver to ASSIGNEE or its legal representative, without charge but at Assignee's expense, any and all papers, instruments or affidavits which may be required, necessary or desirable for the purpose of applying for, obtaining, maintaining, issuing or enforcing said application and said Letters Patent and said equivalents thereof in the United States or in any foreign country; and I further authorize ASSIGNEE or its legal representative to make any submissions or true declarations which may be needed in connection with the prosecution of this application or related applications in the U.S. or in other countries, consistent with the requirements of the applicable country;

